



Molecular Formula: C₁₃H₁₇NO₃
Molecular Weight: 235.282
Accurate Mass: 235.120844
Percentage Composition: C 66.36%; H 7.28%; N 5.95%; O 20.40%
Biological Source: Alkaloid from the root bark of *Erythroxylum deckindtii* (Erythroxylaceae)
Melting Point: Mp 66°

>>Derivative: *O*-(1,2-Thiolane-3-carboxylate)

>>Variant: (1*RS*,3*SR*)-form

Synonym(s): *exo*-form. Pseudotropine. ψ -3-Tropanol. ψ -**Tropine**

CAS Registry Number: 135-97-7

Molecular Formula: C₈H₁₅NO
Molecular Weight: 141.213
Accurate Mass: 141.115364
Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%
Biological Source: Alkaloid from *Datura innoxia*, several other *Datura* spp. and from several other genera, nearly all in the Solanaceae
Melting Point: Mp 108-109°
Boiling Point: Bp 240-241°
pKa Value: p*K*_a 9.86 (25°)

>>Derivative: Hydrochloride

Melting Point: Mp 280-282 dec.° (sinters at 250°)

>>Derivative: Ac

Synonym(s): 3 α -Acetoxytropane

CAS Registry Number: 3423-26-5

Molecular Formula: C₁₀H₁₇NO₂
Molecular Weight: 183.25
Accurate Mass: 183.125929
Percentage Composition: C 65.54%; H 9.35%; N 7.64%; O 17.46%
Biological Source: Alkaloid from *Datura sanguinea* leaves and stems (Solanaceae)
Melting Point: Mp 217° (as picrate)

>>Derivative: *O*-Tigloyl

>>Derivative: *O*-Benzoyl

Synonym(s): Tropacocaine

CAS Registry Number: 537-26-8

Molecular Formula: C₁₅H₁₉NO₂
Molecular Weight: 245.321
Accurate Mass: 245.141579
Percentage Composition: C 73.44%; H 7.81%; N 5.71%; O 13.04%
Biological Source: Alkaloid from *Erythroxylum coca*, other *Erythroxylum* spp. and *Peripentadenia mearsii* (Erythroxylaceae, Elaeocarpaceae)
Melting Point: Mp 49°
pKa Value: p*K*_a 9.88 (15°)
Hazard & Toxicity: LD₅₀ (mus, ivn) 69 mg/kg

>>Derivative: *O*-Benzoyl; hydrochloride